

Mark C Zammit

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,157
citations

516561

16
h-index

395590

33
g-index

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all docs

34
docs citations

34
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding how minority relativistic electron populations may dominate charge state balance and radiative cooling of a post-thermal quench tokamak plasma. <i>Physics of Plasmas</i> , 2022, 29, 012504.	0.7	2
2	Anisotropic angular scattering models of elastic electron-neutral collisions for Monte Carlo plasma simulations. <i>Plasma Sources Science and Technology</i> , 2022, 31, 065013.	1.3	2
3	Fully vibrationally-resolved electronic excitation of H ₂ and its isotopologues: I.		

#	ARTICLE	IF	CITATIONS
19	Adiabatic-nuclei calculations of positron scattering from molecular hydrogen. <i>Physical Review A</i> , 2017, 95, .	1.0	27
20	Kinetic-energy release of fragments from electron-impact dissociation of the molecular hydrogen ion and its isotopologues. <i>Physical Review A</i> , 2017, 96, .	1.0	13
21	Electron mass stopping power in H ₂ . <i>Physical Review A</i> , 2017, 96, .	1.0	8
22	Electron-impact excitation of molecular hydrogen. <i>Physical Review A</i> , 2017, 95, .	1.0	46
23	LXCat: an Open-Access, Web-Based Platform for Data Needed for Modeling Low Temperature Plasmas. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600098.	1.6	188
24	Low-energy electron-impact dissociative excitation of molecular hydrogen and its isotopologues. <i>Physical Review A</i> , 2017, 96, .	1.0	18
25	State-resolved Photodissociation and Radiative Association Data for the Molecular Hydrogen Ion. <i>Astrophysical Journal</i> , 2017, 851, 64.	1.6	13
26	Complete Solution of Electronic Excitation and Ionization in Electron-Hydrogen Molecule Scattering. <i>Physical Review Letters</i> , 2016, 116, 233201.	2.9	47
27	Internal consistency in the close-coupling approach to positron collisions with atoms. <i>European Physical Journal D</i> , 2016, 70, 1.	0.6	16
28	Electron scattering from the molecular hydrogen ion and its isotopologues. <i>Physical Review A</i> , 2014, 90, .	1.0	42
29	Convergent-close-coupling formalism for positron scattering from molecules. <i>Physical Review A</i> , 2013, 87, .	1.0	42
30	Calculations of electron scattering from H $\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle\text{mml:msup}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:msub}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:mn}\rangle 2\langle\text{mml:mn}\rangle\langle\text{mml:msub}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:mo}\rangle+\langle\text{mml:mo}\rangle\langle\text{mml:msup}\rangle\langle\text{mml:math}\rangle$. <i>Physical Review A</i> , 2013, 88, .	1.0	16
31	Convergent close-coupling method for positron scattering from noble gases. <i>New Journal of Physics</i> , 2012, 14, 035002.	1.2	35
32	Relativistic convergent close-coupling method applied to electron scattering from mercury. <i>Physical Review A</i> , 2010, 82, .	1.0	31
33	Fully Relativistic Convergent Close-Coupling Method for Excitation and Ionization Processes in Electron Collisions with Atoms and Ions. <i>Physical Review Letters</i> , 2008, 100, 113201.	2.9	79
34	Calculation of electron-helium scattering. <i>Physical Review A</i> , 1995, 52, 1279-1297.	1.0	314